

ABSTRACT

A disk storage system containing a storage device having a record medium for holding the data, a plurality of storage sub-systems having a controller for controlling the storage device, a first interface node coupled to a computer using the data stored in the plurality of storage sub-systems, a plurality of second interface nodes connected to any or one of the storage sub-systems, a switching means connecting to a first interface node and a plurality of second interface nodes to perform frame transfer between a first interface node and a plurality of second interface nodes based on node address information added to the frame. The first interface node has a configuration table to store structural information for the memory storage system and in response to the frame sent from the computer, analyzes the applicable frame, converts information relating to the transfer destination of that frame based on structural information held in the configuration table, and transfers that frame to the switching means.